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| FORM PTO-1449<br>(Modified)   | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO.<br><b>06336P USA</b>         | SERIAL NO.<br><b>10/624,350</b> |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>(Use several sheets if necessary) |  | APPLICANT<br><b>Aaron Scott Lukas, et al.</b> |                                 |
|   |  | FILING DATE<br><b>7/21/03</b>                 | GROUP<br><b>1762</b>            |

(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

| EXAMINER INITIALS | DOCUMENT NUMBER | DATE      | NAME                       | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|-------------------|-----------------|-----------|----------------------------|-------|----------|----------------------------|
|                   | 5 4 5 4 9 1 5   | 10/3/1995 | J. S. Shor, et al. ✓       | 204   | 129.3    | 9/1/1993                   |
|                   | 6 0 4 2 9 9 4   | 3/28/2000 | J. Yang, et al. ✓          | 430   | 296      | 1/8/1999                   |
|                   | 6 0 5 4 2 0 6   | 4/25/2000 | T. W. Mountsier ✓          | 428   | 312.8    | 6/22/1998                  |
|                   | 6 2 3 8 7 5 1   | 5/29/2001 | T. W. Mountsier ✓          | 427   | 574      | 3/16/2000                  |
|                   | 6 2 8 4 0 5 0   | 9/4/2001  | J. Shi, et al. ✓           | 118   | 715      | 5/18/1998                  |
|                   | 6 3 1 2 7 9 3   | 11/6/2001 | A. Grill, et al. ✓         | 428   | 312.6    | 5/26/1999                  |
|                   | 6 4 7 5 9 3 0   | 11/5/2002 | K. H. Junker, et al. ✓     | 438   | 787      | 1/31/2000                  |
| 01                | 0 0 1 8 1 2 9   | 8/30/2001 | A. Shiota, et al. ✓        | 428   | 447      | 1/29/2001                  |
| 01                | 0 0 3 8 9 1 9   | 11/8/2001 | I. L. Berry, III, et al. ✓ | 428   | 446      | 3/19/2001                  |
| 02                | 0 1 0 2 4 1 3   | 8/1/2002  | Q. Han, et al. ✓           | 428   | 446      | 7/16/2001                  |
| 02                | 0 1 0 6 5 0 0   | 8/8/2002  | R. Albano, et al. ✓        | 428   | 304.4    | 9/14/2001                  |
| 03                | 0 0 3 2 3 0 0   | 2/13/2003 | C. Waldfried, et al. ✓     | 438   | 725      | 5/14/2001                  |
| 03                | 0 0 5 4 1 1 5   | 3/20/2003 | R. Albano, et al. ✓        | 427   | 487      | 9/14/2001                  |

## FOREIGN PATENT DOCUMENTS

|    | DOCUMENT NUMBER | DATE      | COUNTRY | CLASS        | SUBCLASS | TRANSLATION |
|----|-----------------|-----------|---------|--------------|----------|-------------|
|    |                 |           |         |              |          | YES NO      |
| EP | 1 0 3 7 2 7 5   | Sept-2000 | Europe  | Maeda et al. |          | X           |
| WO | 0 0 0 2 2 4 1   | Jan 2000  | World   | PCY          |          | X           |
| WO | 0 2 0 7 1 9 1   | Jan 2002  | World   | PCY          |          | X           |
| WO | 02 0 6 5 5 3 4  | Aug 2002  | World   | PCT          |          | X           |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |  |
|--|--|
|  | A. Hozumi, et al., "Low-Temperature Elimination of Organic Components from Mesoporous Organic-Inorganic Composite Films Using Vacuum Ultraviolet Light, Chem. Mater. 2000, 12, 3842-3847. <i>no month</i>      |
|  | M. Ouyang, et al., "Conversion of Some Siloxane Polymers to Silicon Oxide by UV/Ozone Photochemical Processes, Chem Mater. 2000, 12, 1591-1596. <i>(no month, but published on Web May 2000)</i>               |
|  | A. Hozumi, et al., "Micropatterned Silica Films with Ordered Nanopores Fabricated through Photocalcination, National Institute of Advanced Industrial Science & Technology, Volume 1, Number 8, August 2001.   |
|  | T. Clark, Jr., et al., "A New Application of UV-Ozone Treatment in the Preparation of Substrate-Supported, Mesoporous Thin Films, Chem Mater. 2000, 12, 3879-3884. <i>no month, but pub on web - Dec. 2000</i> |
|  | Q. Han, et al., "Ultra Low-k Porous Silicon Dioxide Films from a Plasma Process," IEEE (2001), pp. 171-173. <i>no month</i>  |
|  | C. Waldfried, et al., "Single Wafer RapidCuring™ of Porous Low-k Materials," IEEE (2002), pp. 226-228. <i>no month</i>   |

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|--------------------------------|-----------------------------------|
| EXAMINER<br><i>[Signature]</i> | DATE CONSIDERED<br><b>9/15/05</b> |
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|   |   | Application Number       | 10/624,356                |
|   |   | Filing Date              | July 21, 2003             |
|   |   | First Named Inventor     | Aaron Scott Lukas, et al. |
|   |   | Art Unit                 | 1762                      |
|   |   | Examiner Name            | M. L. Padgett             |
| Sheet   | 1 | Attorney Docket Number   | 06336P USA                |

| U. S. PATENT DOCUMENTS |                       |  |                                |  |   |
|------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner<br>Initials*  | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of<br>Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or<br>Relevant Figures Appear |
|                        |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
| ASP                    |                       | US- 2005/0048795                         | 03-03-2005                     | Ko, et al.   |   |
|                        |                       | US-                                      |                                |  |   |
|                        |                       | US-                                      |                                |  |   |
|                        |                       | US-                                      |                                |  |   |
|                        |                       | US-                                      |                                |  |   |
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|                        |                       | US-                                      |                                |  |   |
|                        |                       | US-                                      |                                |  |   |
|                        |                       | US-                                      |                                |  |   |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |  |   |                |
|--------------------------|-----------------------|---|--------------------------------|--|---|----------------|
| Examiner<br>Initials*    | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of<br>Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or<br>Relevant Figures Appear | T <sup>o</sup> |
|                          |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |  |   |                |
| ASP                      |                       | WO 2004/083495  | 09-30-2004                     | Gates, et al.                                      |   | ✓              |
|                          |                       | EP 1 482 550  | 12-01-2004                     | Ohdaira, et al.                                    |   | ✓              |
|                          |                       | WO 2005/019303  | 03-03-2005                     | Ree, et al.  |   | ✓              |
| ASP                      |                       | TW 540118   | 03-28-1990                     | Zhengyuan, et al.                                  |   | ✓              |

|                       |                      |                    |         |
|-----------------------|----------------------|--------------------|---------|
| Examiner<br>Signature | <i>M. L. Padgett</i> | Date<br>Considered | 9/15/05 |
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